

	A	B	C	D	E	F	G	H	I	J	K	L	
366	95% Gamma Approximate UCL (Use when n >= 40)					318.8							
367	95% Adjusted Gamma UCL (Use when n < 40)					370.6							
368	Note: DL/2 is not a recommended method.												
369													
370	ote: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UC												
371	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006)												
372	For additional insight, the user may want to consult a statistician.												
373													
374													
375	Result_Value (total pcb congener (u = 1/2)_ng/kg)												
376													
377	General Statistics												
378	Number of Valid Observations	33				Number of Distinct Observations	33						
379													
380	Raw Statistics				Log-transformed Statistics								
381	Minimum	228677				Minimum of Log Data	12.34						
382	Maximum	2192372				Maximum of Log Data	14.6						
383	Mean	959737				Mean of log Data	13.63						
384	Geometric Mean	829509				SD of log Data	0.553						
385	Median	763874											
386	SD	538979											
387	Std. Error of Mean	93824											
388	Coefficient of Variation	0.562											
389	Skewness	1.038											
390													
391	Relevant UCL Statistics												
392	Normal Distribution Test				Lognormal Distribution Test								
393	Shapiro Wilk Test Statistic	0.878				Shapiro Wilk Test Statistic	0.972						
394	Shapiro Wilk Critical Value	0.931				Shapiro Wilk Critical Value	0.931						
395	Data not Normal at 5% Significance Level					Data appear Lognormal at 5% Significance Level							
396													
397	Assuming Normal Distribution				Assuming Lognormal Distribution								
398	95% Student's-t UCL	1118664				95% H-UCL	1172749						
399	95% UCLs (Adjusted for Skewness)				95% Chebyshev (MVUE) UCL								
400	95% Adjusted-CLT UCL (Chen-1995)	1132170				97.5% Chebyshev (MVUE) UCL	1571147						
401	95% Modified-t UCL (Johnson-1978)	1121489				99% Chebyshev (MVUE) UCL	1932846						
402													
403	Gamma Distribution Test				Data Distribution								
404	k star (bias corrected)	3.281				Data appear Gamma Distributed at 5% Significance Level							
405	Theta Star	292511											
406	MLE of Mean	959737											
407	MLE of Standard Deviation	529843											
408	nu star	216.5											
409	Approximate Chi Square Value (.05)	183.5				Nonparametric Statistics							
410	Adjusted Level of Significance	0.0419				95% CLT UCL	1114064						
411	Adjusted Chi Square Value	181.9				95% Jackknife UCL	1118664						
412						95% Standard Bootstrap UCL	1106981						
413	Anderson-Darling Test Statistic	0.532				95% Bootstrap-t UCL	1149439						
414	Anderson-Darling 5% Critical Value	0.752				95% Hall's Bootstrap UCL	1128167						
415	Kolmogorov-Smirnov Test Statistic	0.115				95% Percentile Bootstrap UCL	1111278						
416	Kolmogorov-Smirnov 5% Critical Value	0.154				95% BCA Bootstrap UCL	1123508						
417	Data appear Gamma Distributed at 5% Significance Level					95% Chebyshev(Mean, Sd) UCL	1368707						
418						97.5% Chebyshev(Mean, Sd) UCL	1545669						
419	Assuming Gamma Distribution				99% Chebyshev(Mean, Sd) UCL								
420	95% Approximate Gamma UCL (Use when n >= 40)	1132638											
421	95% Adjusted Gamma UCL (Use when n < 40)	1142373											
422													
423	Potential UCL to Use				Use 95% Approximate Gamma UCL								
424													
425	ote: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UC												
426	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)												
427	and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.												
428													
429													
430	Result_Value (total pcb congener teq 1998 (avian) (u = 1/2)_ng/kg)												
431													
432	General Statistics												
433	Number of Valid Observations	33				Number of Distinct Observations	33						
434													
435	Raw Statistics				Log-transformed Statistics								
436	Minimum	97.57				Minimum of Log Data	4.581						
437	Maximum	782.9				Maximum of Log Data	6.663						
438	Mean	404.3				Mean of log Data	5.914						

